



NOT TO SCALE

**SCHEMATIC CROSS-SECTION OF UNITS  
THAT OVERLIE THE INJECTION ZONE**

**FIGURE 24**



**LBG-GUYTON ASSOCIATES**

### Timeline of Project Activities

Date	Activity
11/1/01	Initial meeting with TCEQ to discuss permitting requirements for proposed EPWU desalination project.
3/20/02	Meeting with TCEQ to discuss permit application.
10/24/02	Meeting with the Office of Waste Management – UIC Section to discuss the procedure for permitting wells involved in the injection site testing program and the project notification requirements.
11/18/02	Meeting with the New Mexico Ground Water Quality Bureau – UIC Program to provide overview of the desal project and to inquire of potential requirements that might be imposed by the Department. Ms. Karen Menetrey (Section Head of the Ground Water Pollution Prevention Section) was given an overview of the project which included more detail on the brine injection component. After reviewing a copy of the New Mexico Water Quality Commission Regulations (20.6.2 NMAC), Ms. Menetrey expressed that she did not think we would be required to comply with any of the New Mexico regulations but that she would consult with EPA Region VI and TCEQ.
3/11/03	Drilling commenced on Test Well 1. Drilling operations concluded on 8/24/03.
3/24/03	Test injection permit application was submitted to TCEQ.
4/9/03	Drilling commenced on Test Well 2. Drilling operations concluded on 5/9/03.
5/8/03	Drilling commenced on Test Well 3. Drilling operations concluded on 8/8/03.
5/15/03	TCEQ Authorization by Rule issued for the construction and operation of the injection well testing.
5/26/03	Drilling commenced on Pilot Hole 1. Drilling operations concluded on 6/7/03.
8/29/03	Coordination meeting with TCEQ to provide an overview of the project location, participants, surface and subsurface geology and hydrology, test hole results, as well as current and future project activities.
1/14/04	Meeting with TCEQ to review the injection test well design specifications.
2/3/04	Permit application amendment submitted to TCEQ due to well construction changes.
3/31/04	TCEQ grants Amendment to Authorization per 2/3/04 submittal.
6/23/04	Meeting with Ms. Karen Menetrey (NMED). A letter was provided to EPWU stating that NMED does not have jurisdiction for permitting the EPWU project.
7/28/04	Briefing with TCEQ on the current status of the pilot hole (e.g., water sampling, pumping test, etc.). Determination was made that the project would be a Class V registration/authorization process.
9/21/04	Well completion report on pilot injection well submitted to TCEQ.
10/1/04	Meeting with TCEQ focused around the Class V registration/authorization process with some Class I technical additions (Parts V-XI of Class I application).
10/26/04	Letter from TCEQ granting approval to proceed with Class V applications.



	parameter. Discussed action plans including possible Aquifer Exemption. Requested input on how to address issue of concern.
12/13/07	Contacted NMED and provided an Aquifer Exemption briefing document. Requested meeting date to discuss project.
2/19/08	Met with NMED to provide overview of project and Aquifer Exemption request.
3/21/08	Contacted NMED Drinking Water Bureau (Santa Fe and Las Cruces) to identify any public water supply systems utilizing proposed exempt aquifer as source of drinking water.
3/25/08	Contacted TCEQ Public Drinking Water Program to identify any public water supply systems utilizing proposed exempt aquifer as source of drinking water.
8/21/08	Submitted Aquifer Exemption Request to TCEQ.
9/3/08	Submitted Aquifer Exemption Request to NMED.
3/31/09	Met with TCEQ to receive update on staff's review of application and answer any questions they may have.
3/31/09	Received comments back from NMED regarding Aquifer Exemption.
4/29/09	Met with TCEQ to discuss potential issues/concerns (e.g., groundwater gradient, modeling, etc.) regarding Aquifer Exemption.
6/00/09	Refined modeling data.
6/4/09	Received Technical Notice of Deficiency (NOD) No. 1 letter from TCEQ.
6/30/09	EPWU response to NOD No. 1 seeking time extension due to lab analysis turn-around time.
6/30/09	Met with NMED to discuss potential concerns on Aquifer Exemption. Discussed refined modeling data.
7/1/09	Met with TCEQ to discuss update on Aquifer Exemption application and TCEQ's correspondence of 6/4/09.
7/00/09	Refined numerical grid and decreased dispersivity in model. Based on refined modeling, plume migration into New Mexico is zero.
9/9/09	Provided TCEQ with analytical report for undiluted concentrate sample collected from desalination facility.
11/3/09	Conference call with TCEQ to discuss revised aquifer exemption application.
4/23/10	Submitted revised application to TCEQ.
6/21/10	Received TCEQ comments regarding reservoir modeling.
6/24/10	Provided TCEQ with technical overview of modeling.
8/23/10	Met with NMED to provide update on Aquifer Exemption application.